

Translation

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Rec'd PCT/PTO @ 4 JUN 2003

PCT/EP2003/007047



Applicant's or agent's file reference P801371/WO/1	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/EP2003/007047	International filing date (day/month/year) 02 July 2003 (02.07.2003)	Priority date (day/month/year) 04 July 2002 (04.07.2002)
International Patent Classification (IPC) or national classification and IPC B08B 1/00		
Applicant DAIMLERCHRYSLER AG		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 5 sheets, including this cover sheet.

☒ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 6 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 18 December 2003 (18.12.2003)	Date of completion of this report 25 November 2004 (25.11.2004)
Name and mailing address of the IPEA/EP	Authorized officer
Facsimile No.	Telephone No.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International Application No.

PCT/EP2003/007047

I. Basis of the report

1. This report has been drawn on the basis of *(Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.)*:

- ☐ the international application as originally filed.
- ☒ the description, pages 1-14, as originally filed,
 pages _____, filed with the demand,
 pages _____, filed with the letter of _____,
 pages _____, filed with the letter of _____.
- ☒ the claims, Nos. _____, as originally filed,
 Nos. _____, as amended under Article 19,
 Nos. _____, filed with the demand,
 Nos. 1-28, filed with the letter of 28 September 2004 (28.09.2004),
 Nos. _____, filed with the letter of _____.
- ☒ the drawings, sheets/fig 1/4-4/4, as originally filed,
 sheets/fig _____, filed with the demand,
 sheets/fig _____, filed with the letter of _____,
 sheets/fig _____, filed with the letter of _____.

2. The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/fig _____

3. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

4. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1-28	YES
	Claims		NO
Inventive step (IS)	Claims	1-28	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-28	YES
	Claims		NO

2. Citations and explanations

Reference is made to the following documents:

D1: WO 95/04203 A (KRISTIANSEN MORTEN; DAMBERG FINN (DK))
9 February 1995

D2: FR-A-2 674 559 (ONET) 2 October 1992

Document D1, which is considered the prior art closest to the subject matter of claim 1, discloses (the references in parentheses relate to said document) a method and device for cleaning a surface of a component (12) using a cleaning device (1), wherein the component surface is cleaned by a cleaning head (13) that can be moved by a positioning device whilst generating pressure to press the cleaning head onto the component, the positioning device has a rough positioning system (7, 8, 9) and a fine positioning system (11), and the cleaning head is moved in a force-controlled manner by the fine positioning system in one direction of movement (28).

The subject matter of claims 1 and 8 differs therefore from the known method and device in that the cleaning head has a three-dimensionally extending cleaning surface and at least one stop shoulder whose cleaning stop surface can be moved frontally onto an edge of the component whilst

generating pressure, the cleaning head being moved along at least one axis of movement by a fine positioning system within a predetermined tolerance window.

The subject matter of claims 1 and 8 is therefore novel (PCT Article 33(2)).

The problem addressed by the present invention can therefore be considered that of enabling front and rear component surfaces to be cleaned in an operationally safe and quick manner by the cleaning head in a single wipe process.

The solution to this problem proposed in claims 1 and 8 of the present application involves an inventive step (PCT Article 33(3)) since documents D1 and D2 relate merely to the cleaning of even surfaces.

Claims 2 to 7 and 9 to 28 are dependent on claim 1 and therefore likewise meet the PCT novelty and inventive step requirements.